

ABSTRACT OF THE DISCLOSURE

An interface cable for providing a connection between an AC power source and a DC sensor. The interface cable includes a shroud portion containing a power convertor for converting power from an AC power source to a DC power output for powering a DC sensor.

5 The shroud portion additionally includes a sensor interface for converting an output from the DC sensor to an output comparable to an output provided by an AC sensor for connection to controller configured for an AC sensor. The shroud portion is formed as a compact cylindrical structure integral with first and second cable portions whereby the interface cable provides a readily installed interface for connecting a DC sensor to a machine configured for operation with  
10 an AC sensor.